Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math: \_\_\_\_\_

Ratios Homework 1

1. In a fruit basket there are 9 bananas, 4 apples, and 3 plums.

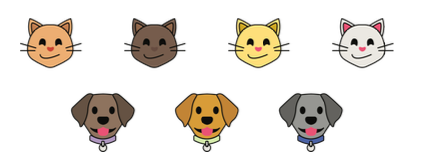
a. The ratio of bananas to apples is \_\_\_\_\_\_\_\_ **:** \_\_\_\_\_\_\_\_.

b. The ratio of plums to apples is \_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_.

c. For every \_\_\_\_\_\_\_\_ apples, there are \_\_\_\_\_\_\_\_ plums.

d. For every 3 bananas there is one \_\_\_\_\_\_\_\_.

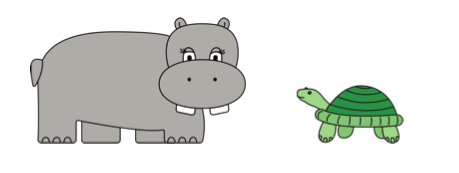
1. Complete the sentences to describe this picture.



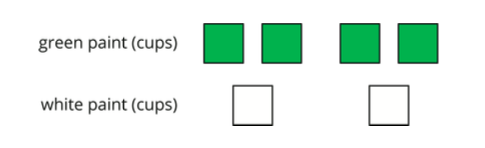
a. The ratio of dogs to cats is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

b. For every \_\_\_\_\_ dogs, there are \_\_\_\_\_ cats.

1. Write two different sentences that use ratios to describe the number of eyes and legs in this picture.  (The turtle has two eyes even though you only see one in the picture.)



1. Here is a diagram that describes the cups of green and white paint in a mixture.



Select **all** the statements that accurately describe this diagram.

A. The ratio of cups of white paint to cups of green paint is 2 to 4.

B. For every cup of green paint, there are two cups of white paint.

C. The ratio of cups of green paint to cups of white paint is 4:2.

D. For every cup of white paint, there are two cups of green paint.

E. The ratio of cups of green paint to cups of white paint is 2:4.

1. To make a snack mix, combine 2 cups of raisins with 4 cups of pretzels and 6 cups of

almonds.

1. Create a diagram to represent the quantities of each ingredient in this recipe.

b. Use your diagram to complete each sentence.

▪ The ratio of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is \_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_.

▪ There are \_\_\_\_\_\_\_\_ cups of pretzels for every cup of raisins.

▪ There are \_\_\_\_\_\_\_\_ cups of almonds for every cup of raisins.

1. Complete each equation with a number that makes it true.